

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>		Attorney Docket No. <b>AFD 644</b>	
		First Inventor or Application Identifier <b>David J. Moorhouse</b>	
		Title <b>STRUCTURE AND METHOD FOR CONTROLLING INLET SHOCK POSITION OF A HYPERSONIC VEHICLE</b>	
(Only for new non-provisional applications under 37 C.F.R. § 1.53(b))		Express Mail Label No.	

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents	<b>ADDRESS TO:</b> MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450
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1. <input checked="" type="checkbox"/> *Fee Transmittal Form (e.g., PTO/SB/17) 2. <input type="checkbox"/> Applicant claims small entity status (See 37 CFR 1.27) 3. <input checked="" type="checkbox"/> Specification [ Total Pages <b>10</b> ] (Preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R&D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [ Total Sheets <b>3</b> ] 5. Oath or Declaration [ Total Pages <b>1</b> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies <b>ACCOMPANYING APPLICATION PARTS</b> 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 1.373(b) Statement <input checked="" type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS) PTO/SB/08A <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (should be itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) 16. <input checked="" type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach for PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other: Certificate of 37 CFR 1.10 Express Mailing
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18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76

☐ Continuation ☐ Divisional ☐ Continuation in Part (CIP) of prior application No: \_\_\_\_\_

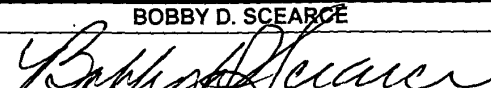
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5B, is considered to be a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

<b>CORRESPONDENCE ADDRESS</b>					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		<b>26902</b>		or <input type="checkbox"/> Correspondence address below	
(Insert Customer No. here)					
Name		BOBBY D. SCEARCE			
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Signature			Date <b>18 SEP 2003</b>

 22386 U.S. PTO  
 10/670097  
 09/22/03

09/22/03  
02570 U.S. PTO

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$) 750.00

## METHOD OF PAYMENT

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

Deposit Account Number

AF 01-0465

Deposit Account Name

Department of the Air Force

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Code	Fee (\$)	Code	Fee (\$)		
1001	750	2001	375	Utility Filing Fee	750
1002	330	2002	165	Design Filing Fee	
1003	520	2003	260	Plant Filing Fee	
1004	750	2004	375	Reissue Filing Fee	
1005	160	2005	80	Provisional Filing Fee	

**SUBTOTAL (1)** \$ 750

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
10	- 20** = 0	18	0
Indep. Claims	3	- 3** = 1	84
Multiple Dependent			

Large Entity		Small Entity		Fee Description
Code	Fee (\$)	Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** \$ 00.00

\*\*or number previously paid, if greater; For Reissues, see above

## Complete if Known

Application Number  
Filing Date  
First Named Inventor **David J. Moorhouse**  
Examiner Name  
Group Art Unit  
Attorney Docket Number **AFD 644**

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner Action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** \$ 0

## SUBMITTED BY

Typed or Printed Name **BOBBY D. SCEARCE** Registration. No. **26,333** Telephone **(937) 255-2838**  
Signature *Bobby D. Scearce* Date **18 SEP 2003**  
Typed or Printed Name \_\_\_\_\_ Registration. No. \_\_\_\_\_ Telephone \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

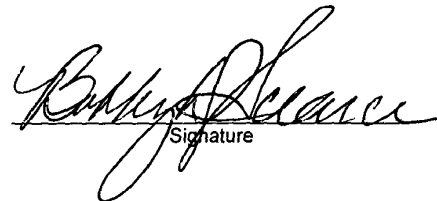
## Complete (if applicable)

<b>REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	<b>First Named Inventor</b>	<b>David J. Moorhouse</b>
	<b>Title</b>	<b>Structure and Method for Controlling Inlet Shock Position of a Hypersonic Vehicle</b>
	<b>Atty Docket Number</b>	<b>AFD 644</b>

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 1.22(b).

1 8 SEP 2003

Date

  
Signature

Bobby D. Searce  
Registration No. 26333  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and be submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 US.C. 122(b)(2)(B)(iii)).**